

PATENTS  
DOCKET 7014

DAES  
(S) JN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cloonan ) Group No.: 2664  
Serial No.: 09/620,821 ) Examiner: Harper  
Filed: July 21, 2000 ) Docket: 7014  
Title: Congestion control in a )  
network device having a buffer )  
circuit )

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with sufficient postage for United States First Class Mail Service under 37 CFR § 1.8 having addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*John L. Doughty*  
John L. Doughty

*5/18/2005*  
Date

LETTER REGARDING PAYMENT OF ISSUE FEE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

Regarding the above-identified application, payment of the issue fee was initiated by submission of PTOL-85 Part B on January 6, 2005. However, to date, it appears that the USPTO has not debited the proper issue fee amount in connection with the above-referenced application. Copies of the Part B form after being received by OIPE on January 10, 2005, have been retrieved from Applicant's private PAIR, and are enclosed for reference.

On the enclosed Attachment 1 copy of the Part B form, Applicant checked box 5b, indicating that Application is no longer claiming small entity status. The enclosed Attachment 2 copy of the Part B form indicates that the PTO associated payment of the issue fee in the amount of \$700 - the small entity issue fee amount - with application number 09/620,831. It will be appreciated that this is not the application for which the Part B was submitted. Moreover, 09/620,831 is not an application for which Applicant has an interest in or with which Applicant is connected.

Following a conversation between the undersigned and personnel in the deposit account department at the PTO, the association of the issue fee was corrected so that Applicant's deposit account statement for May 2005, reflects a credit of \$700 to the account in connection with 09/620,831 and an offsetting debit of \$700 in connection with 09/620,821. Thus, Applicant has been credited with paying the issue fee for the above referenced application.

Adjustment date: 05/23/2005 SLUANG1  
05/03/2005 DTERRY 00000001 012125 09620821  
01 FC:2501 700.00 CR

05/23/2005 SLUANG2 00000001 012125 09620821  
01 FC:1501 1400.00 DA

However, it appears that only \$700, or the amount that would be due for a small entity, has been credited for the issue fee. Enclosed are copies of statements for Applicant's deposit account for the months of January 2005, February 2005, and May 2005 to date, respectively labeled as Attachment 3, Attachment 4, and Attachment 5.

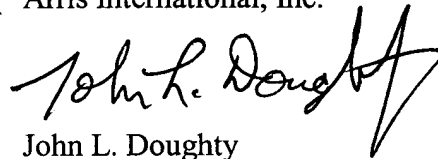
Attachment 3 shows that Applicant's deposit account was not debited for an issue fee for either 09/620,831 or 09/620,821 in January 2005, the month in which the Part B from Applicant was received by OIPE. Attachment 4 shows that \$700 was debited to Applicant's account for 09/620,831 during February 2005. This corresponds with the stamp on Attachment 2 showing that \$700 was paid from deposit account 01-2125 for 09/620,831 on February 28, 2005. Attachment 2 shows that subsequently, on May 3, 2005, Applicant's deposit account was debited \$700. It is unclear due to the location of the stamp which application this \$700 was attributed to, but Attachment 5 shows that \$700 was debited to account 01-2125 for 09/620,821 on the same day that \$700 was credited to the same account for 09/620,831.

Thus, evaluation of the deposit account statements for 01-2125 and the stamps on the Part B copies indicates that only \$700 has been paid for the issue fee for 09/620,821. Since Applicant is not a small entity, and Applicant indicated that it was no longer claiming small entity status on the Part B that was submitted in January 2005, Applicant hereby requests that an additional \$700 be debited to deposit account number 01-2125 for the remainder of the issue fee due in application 09/620,821. If there are any questions, please contact the undersigned at your convenience.

Arris International, Inc.  
3871 Lakefield Drive  
Suwanee, Georgia 30024  
(678) 473-8954  
(678) 473-8095 - fax  
[john.doughty@arrisi.com](mailto:john.doughty@arrisi.com)

Respectfully submitted,

Arris International, Inc.



John L. Doughty  
Reg. No. 47,533

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000

or Fax

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

21924 7590 11/30/2004

ARRIS INTERNATIONAL, INC  
3871 LAKEFIELD DRIVE  
SUWANEE, GA 30024



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## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

JOHN L. DOUGHTY (Depositor's name)  
John L. Doughty (Signature)  
1/6/2005 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/620,821	07/21/2000	Thomas J. Cloonan	4807.00009	4399

TITLE OF INVENTION: CONGESTION CONTROL IN A NETWORK DEVICE HAVING A BUFFER CIRCUIT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$685	\$0	\$685	02/28/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
HARPER, KEVIN C	2666	370-232000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. JOHN L. DOUGHTY  
2.  
3.

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

ARRIS INTERNATIONAL, INC

SUWANEE, GEORGIA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☒ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

John L. Doughty

Date

1/6/2005

Typed or printed name

JOHN L. DOUGHTY

Registration No.

47,533

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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ATTACHMENT 1

Complete and read this form, together with applicable fee(s), to: Mail

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Commissioner for Patents  
P.O. Box 1450  
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CHECK ONE: CORRESPONDENCE ADDRESS FROM US (Block 1) OR ANY OTHER COUNTRY

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JOHN L. DOUGHTY  
John L. Doughty  
1/6/2005

21024 1553 1/10/2004  
ARRIS INTERNATIONAL, INC  
3871 LAKELAND DRIVE  
SUWANEE, GA 30024



APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/310,021	01/21/2000	Thomas J. Cleason	4097.02000	4090

TITLE OF INVENTION: CONGESTION CONTROL IN A NETWORK DEVICE HAVING A BUFFER CIRCUIT

APPL. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
unreviewed	YES	9485	20	9505	02/28/2005
EXAMINER	ART UNIT	CLASS-SUBCLASS			
HARPER, KEVIN C	2646	370-232000			

Change of correspondence address or indication of "Fee Address" (37 CFR 1.343).  
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SF/122) attached.  
☐ "Fee Address" instruction (or "Fee Address" instruction form PTO/SF/122, Rev 01-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent from page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. John L. Doughty  
2.  
3.

**ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recording and will be in 37 CFR 1.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE (CITY and STATE OR COUNTRY)

ARRIS INTERNATIONAL, INC

SUWANEE, GEORGIA

Indicate the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

The following fee(s) are enclosed:

☒ Issue Fee

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - 0 of Copies

4b. Payment of fee(s):

☐ A check in the amount of the fee(s) is enclosed.

☐ Payment by credit card. Form PTO-2010 is attached.

☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment to Deposit Account Number (enclose us with copy of this form).

Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☒ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(d)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid fees to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

John L. Doughty  
JOHN L. DOUGHTY

Date

1/6/2005

Registration No.

47,533

No collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) applications. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 15 minutes to complete, including gathering, preparing, and mailing the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete in form and/or suggesting for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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01-05 (Rev. 11/24) Approved for use through 04/30/2007.

OMB 0651-0003

05/03/2005 D'ERREY 00000001 01:25  
01 FC-2501 700.00 DR

02/18/2005 PSHELL 00000002 012125 09520831  
U.S. Patent and Trademark Office  
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01-05-0500 700.00-00

ATTACHMENT 2

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## Deposit Account Statement

**Requested Statement Month:** January 2005  
**Deposit Account Number:** 012125  
**Name:** ARRIS INTERNATIONAL, INC.,  
**Attention:** WILLIAM A. HARTSELLE  
**Address:** 3871 LAKEFIELD DRIVE  
**City:** SUWANEE  
**State:** GA  
**Zip:** 30024  
**Country:** UNITED STATES OF AMERICA

DATE	SEQ	POSTING REF TXT	ATTORNEY DOCKET NBR	FEE CODE	AMT	BAL
01/07	626	78543458	DIGICON	7001	\$335.00	\$44,882.00
01/11	45	09519480	1001	1252	\$450.00	\$44,432.00
01/11	218	10237822	6045	1501	\$1,400.00	\$43,032.00
01/11	219	10237822	6045	1504	\$300.00	\$42,732.00
01/11	220	10237822	6045	8001	\$6.00	\$42,726.00
01/12	164	09558826	10265.104646	1501	\$1,400.00	\$41,326.00
01/12	165	09558826	10265.104646	8001	\$6.00	\$41,320.00
01/12	166	29191664	8156-D	1502	\$800.00	\$40,520.00
01/12	167	29191664	8156-D	8001	\$6.00	\$40,514.00
01/13	13	11031773	8141	1011	\$300.00	\$40,214.00
01/13	14	11031773	8141	1111	\$500.00	\$39,714.00
01/13	15	11031773	8141	1311	\$200.00	\$39,514.00
01/19	6	11034461	12010	1011	\$300.00	\$39,214.00
01/19	7	11034461	12010	1111	\$500.00	\$38,714.00
01/19	8	11034461	12010	1311	\$200.00	\$38,514.00
01/26	58	11034461	12010	8021	\$40.00	\$38,474.00
01/27	294	11039098	8196	1011	\$300.00	\$38,174.00
01/27	295	11039098	8196	1111	\$500.00	\$37,674.00
01/27	296	11039098	8196	1311	\$200.00	\$37,474.00
01/27	297	11039098	8196	1202	\$50.00	\$37,424.00

START	SUM OF	SUM OF	END
BALANCE	CHARGES	REPLENISH	BALANCE
\$45,217.00	\$7,793.00	\$ .00	\$37,424.00

ATTACHMENT 3

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**Deposit Account Statement**

ATTACHMENT 4

Requested Statement Month: February 2005  
 Deposit Account Number: 012125  
 Name: ARRIS INTERNATIONAL, INC.,  
 Attention: WILLIAM A. HARTSELLE  
 Address: 3871 LAKEFIELD DRIVE  
 City: SUWANEE  
 State: GA  
 Zip: 30024  
 Country: UNITED STATES OF AMERICA

DATE	SEQ	POSTING REF TXT	ATTORNEY DOCKET NBR	FEE CODE	AMT	BAL
02/01	48	11041844	7064	1011	\$300.00	\$37,124.00
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02/01	50	11041844	7064	1311	\$200.00	\$36,424.00
02/02	61	11039098	8196	8021	\$40.00	\$36,384.00
02/04	72	11041844	7064	8021	\$40.00	\$36,344.00
02/07	37	11046948	8202	1011	\$300.00	\$36,044.00
02/07	38	11046948	8202	1111	\$500.00	\$35,544.00
02/07	39	11046948	8202	1311	\$200.00	\$35,344.00
02/08	112	6230326	6026	1551	\$900.00	\$34,444.00
02/08	113	6230326	6026	1554	\$130.00	\$34,314.00
02/09	110	1876326	MONARCH	8521	\$40.00	\$34,274.00
02/10	136	11046948	8202	8021	\$40.00	\$34,234.00
02/11	116	11053163	8198	1011	\$300.00	\$33,934.00
02/11	117	11053163	8198	1111	\$500.00	\$33,434.00
02/11	118	11053163	8198	1311	\$200.00	\$33,234.00
02/14	66	11053701	1262	1011	\$300.00	\$32,934.00
02/14	67	11053701	1262	1111	\$500.00	\$32,434.00
02/14	68	11053701	1262	1311	\$200.00	\$32,234.00
02/14	69	11053701	1262	1202	\$150.00	\$32,084.00
02/14	102	60651039	8218-P	1005	\$200.00	\$31,884.00
02/16	50	PCT/US05/03528	1262-PCT	1601	\$300.00	\$31,584.00
02/16	51	PCT/US05/03528	1262-PCT	1603	\$300.00	\$31,284.00
02/16	52	PCT/US05/03528	1262-PCT	1702	\$1,134.00	\$30,150.00
02/16	53	PCT/US05/03528	1262-PCT	8007	\$20.00	\$30,130.00
02/16	70	10982211	1172	1051	\$130.00	\$30,000.00
02/16	165	60645719	8216-P	1005	\$200.00	\$29,800.00
02/16	740	78568046	C3-2	7001	\$325.00	\$29,475.00

02/16	1441	1876326	MONARCH-1	7205	\$100.00	\$29,375.00
02/16	1442	1876326	MONARCH-1	7201	\$400.00	\$28,975.00
02/16	1443	1876326	MONARCH-1	7206	\$100.00	\$28,875.00
02/16	1444	1876326	MONARCH-1	7203	\$100.00	\$28,775.00
02/17	165	PCT/US05/04044	8198-PCT	1601	\$300.00	\$28,475.00
02/17	166	PCT/US05/04044	8198-PCT	1603	\$300.00	\$28,175.00
02/17	167	PCT/US05/04044	8198-PCT	1702	\$1,134.00	\$27,041.00
02/17	168	PCT/US05/04044	8198-PCT	8007	\$20.00	\$27,021.00
02/18	4	09620831	1004-032/MMM	2501	\$700.00	\$26,321.00
02/22	24	09643386	10265.107988	1253	\$1,020.00	\$25,301.00
02/22	33	60653567	8220-P	1005	\$200.00	\$25,101.00
02/22	43	11053701	1262	8021	\$40.00	\$25,061.00
02/23	115	11046304	7114	1011	\$300.00	\$24,761.00
02/23	116	11046304	7114	1111	\$500.00	\$24,261.00
02/23	117	11046304	7114	1311	\$200.00	\$24,061.00

START	SUM OF	SUM OF	END
BALANCE	CHARGES	REPLENISH	BALANCE
\$37,424.00	\$13,363.00	\$ .00	\$24,061.00

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**Requested Statement Month:** May 2005  
**Deposit Account Number:** 012125  
**Name:** ARRIS INTERNATIONAL, INC.,  
**Attention:** WILLIAM A. HARTSELLE  
**Address:** 3871 LAKEFIELD DRIVE  
**City:** SUWANEE  
**State:** GA  
**Zip:** 30024  
**Country:** UNITED STATES OF AMERICA

DATE	SEQ	POSTING REF TXT	ATTORNEY DOCKET NBR	FEE CODE	AMT	BAL
05/03	1	09620831	1004-032/MMM	2501	-\$700.00	\$24,841.00
05/03	2	09620821	4807.00009	2501	\$700.00	\$24,141.00

START BALANCE	SUM OF CHARGES	SUM OF REPLENISH	END BALANCE
\$24,141.00	\$700.00	\$700.00	\$24,141.00

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ATTACHMENT 5